APPENDIX

TABLE 1

REGRESSING HEAT EXPERIMENT

	1		2		3		4		5		6		7		8	
	sensitivity	resistance	sensitivity	resistance	sensitivity	resistance	sensitivity	resistance	sensitivity	resistance	sensitivity	resistance	sensitivity	resistance	sensitivity	resistance
30	2.6090 1.39	176.30 12.59	2.3925 1.30	165.20 12.90	2.4537 1.31	171.60 13.17	2.8684 1.26	185.60 13.25	3.3480 1.00	235.7 12.18	2.4057 1.25	167.4 13.02	2.4290 1.32	160.30 20.27	2.5002 1.11	175.40 11.74
35	2.6027 1.25	178.90 10.96	2.3958 1.18	168.00 11.01	2.4567 1.18	174.30 11.42	2.8696 1.14	189.90 11.28	3.3506 0.92	239.3 10.49	2.4081 1.15	169.8 11.56	2.4319 1.20	161.70 19.23	2.5029 1.00	177.40 10.48
40	2.6356 1.13	181.80 9.19	2.3990 1.03	171.00 9.06	2.4598 1.06	177.20 9.59	2.8728 1.03	192.10 9.42	3.3533 0.84	242.8 8.90	2.4106 1.04	171.9 10.06	2.4358 1.05	166.30 15.94	2.5053 0.91	179.20 9.36
45	2.6390 1.00	184.40 7.65	2.4025 0.88	173.90 7.25	2.4632 0.92	179.90 7.85	2.8765 0.90	194.90 7.85	3.3558 0.74	246.7 7.17	2.4141 0.90	174.7 8.30	2.4387 0.62	171.00 12.75	2.5070 0.84	180.90 8.53
50	2.6419 0.89	187.40 5.92	2.4057 0.74	176.40 5.73	2.4670 0.78	182.60 6.35	2.8801 0.77	197.80 6.27	3.3605 0.62	250.9 5.38	2.4167 0.79	177.3 6.71	2.4428 0.75	174.10 10.74	2.5083 0.75	183.50 6.91
55	2.6457 0.75	190.40 4.25	2.4087 0.62	178.90 4.25	2.4705 0.62	185.30 4.80	2.8838 0.64	200.60 4.88	3.3642 0.51	254.4 3.93	2.4196 0.66	179.6 5.35	2.4462 0.61	172.90 11.51	2.5134 0.58	185.10 5.89
60	2.6489 0.63	192.80 2.96	2.4116 0.50	181.90 2.59	2.4744 0.48	188.20 3.19	2.8875 0.52	203.80 3.14	3.3674 0.42	258.7 2.20	2.4232 0.52	182.2 3.94	2.4494 0.48	183.90 4.84	2.5157 0.49	191.40 2.40
65	2.6519 0.51	195.80 1.39	2.4148 0.38	184.30 1.19	2.4774 0.34	191.60 1.25	2.8913 0.38	207.30 1.40	3.3708 0.32	261.7 1.03	2.4265 0.38	184.6 2.40	2.4516 0.39	190.20 1.37	2.5168 0.45	194.10 0.98
70	2.6557 0.37	198.50 0.00	2.4178 0.25	186.50 0.00	2.4798 0.24	194.20 0.00	2.8952 0.25	210.20 0.00	3.3740 0.20	264.4 0.00	2.4293 0.27	186.9 1.23	2.4548 0.26	192.60 0.00	2.5215 0.26	196.00 0.00
75	2.6599 0.21		2.4217 0.12		2.4833 0.10	199.40	2.8986 0.13	212.20	3.3760 0.10	267.9	2.4326 0.13	189.2 0.00	2.4590 0.13		2.5247 0.13	
80	2.6665 0.00		2.4256 0.00		2.4858 0.00		2.9024 0.00		3.3815 0.00		2.4358 0.00		2.4611 0.00		2.5280 0.00	
slope	-0.0266	-0.3165	-0.0259	-0.3233	-0.0269	-0.3305	-0.0254	-0.3279	-0.0205	-0.3124	-0.0253	-0.2934	-0.0266	-0.5271	-0.0219	-0.3099

FIG. 1A

FIG. 1B
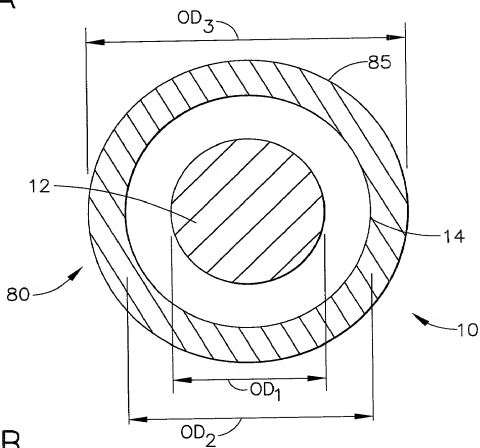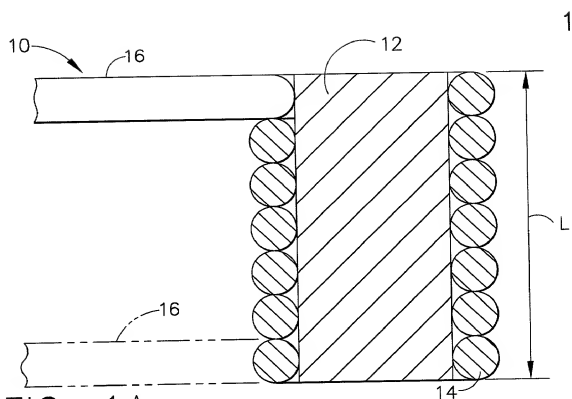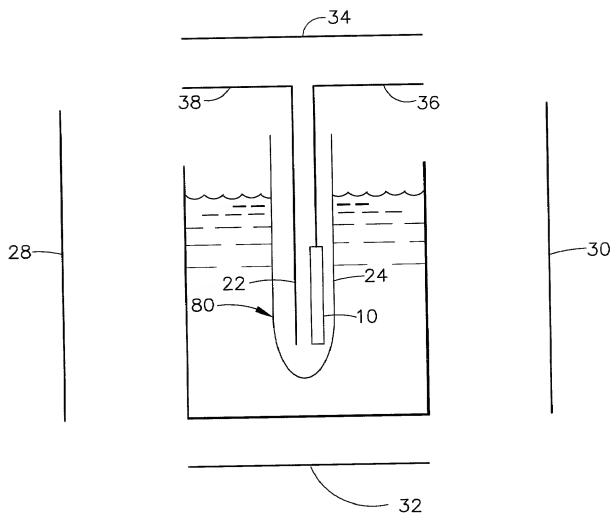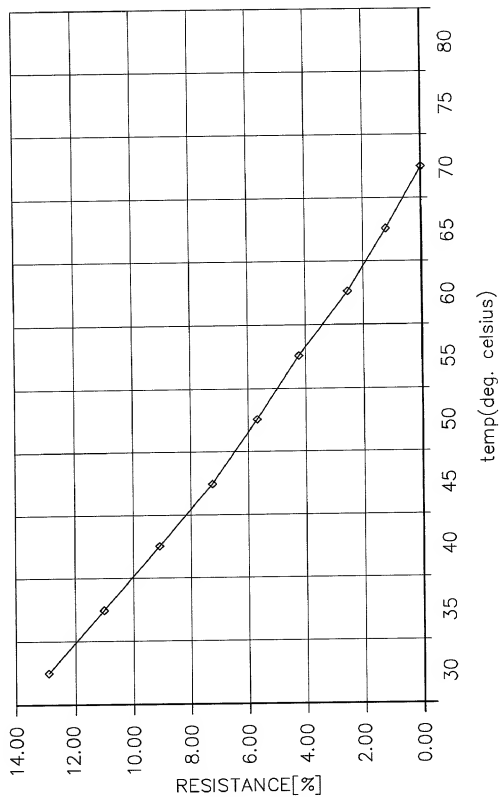
FIG. 2

REGRESSING HEAT EXPERIMENT SENSOR 2
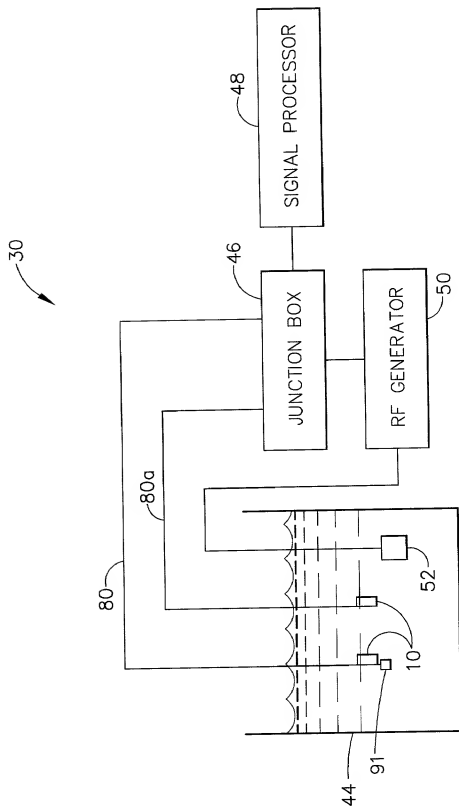
FIG. 3A

REGRESSING HEAT EXPERIMENT SENSOR 2

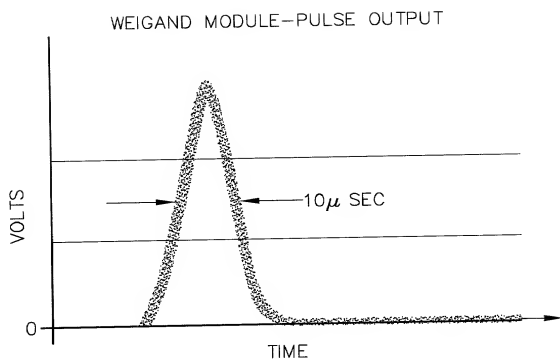SENSITIVITY[%]

temp(deg. celsius)

FIG. 3B

FIG. 4

WEIGAND MODULE—PULSE OUTPUT

FIG. 5